## 7.15

Give the output of the following program (written in C syntax) using the four parameter passing methods discussed in Section 7.5:

```c
#include <stdio.h>
int i=0;

void p(int x, int y)
{ x += 1;
  i += 1;
  y += 1;
}

main()
{ int a[2]={1,1};
  p(a[i],a[i]);
  printf("%d %d\n",a[0],a[1]);
  return 0;
}
```

| by value | by reference |
|---|---|
| 1  1 | 3  1 |
| **by value-result** | **by name** |
| 2  1<br>1  2 | 2  2 |